Title (en)

IMPROVED PHOTOSENSITIVE RECORDING MATERIAL AND A METHOD OF RECORDING INFORMATION BY EXPOSURE OF SAID MATERIAL TO INFORMATION-WISE MODULATED ACTIVATING ELECTRO-MAGNETIC RADIATION

Publication

EP 0002546 A3 19790711

Application

EP 78200330 A 19781201

Priority

GB 5327277 A 19771221

Abstract (en)

[origin: EP0002546A2] A photosensitive recording material is described which upon information-wise exposure and heat-development forms a tellurium image. The material contains on a support a recording layer containing in admixture in a binder medium: (1) as imaging substance an organo-tellurium compound containing directly linked to a tellurium atom halogen and at least one organic substituent comprising at least one carbonyl group, (2) a photoreducant, and (3) a hydrogen-donating compound from which hydrogen can be abstracted by the photo-exposed photoreductant. The said material needs less exposure energy by having united with said recording layer directly or through the intermediary of one or more subbing layers, a blocking layer or sheet that counteracts the penetration of vapour or gas into and the escape of vapour or gas from the recording layer during thermal treatment after photo-exposure of the material, the support and/or the blocking layer or sheet being transparent for actinic radiation.

IPC 1-7

G03C 1/72; C07C 165/00

IPC 8 full level

G03C 1/73 (2006.01); **G03C 1/735** (2006.01); **G03C 1/76** (2006.01)

CPC (source: EP)

G03C 1/734 (2013.01)

Citation (search report)

- FR 2285637 A1 19760416 - ENERGY CONVERSION DEVICES INC [US]
- DE 2436132 A1 19750213 - ENERGY CONVERSION DEVICES INC [US]
- DE 2719023 A1 19771215 - AGFA GEVAERT AG
- FR 2159287 A1 19730622 - AGFA GEVAERT
- FR 2242744 A1 19750328 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- FR 2183899 A1 19731221 - FUJI PHOTO FILM CO LTD [JP]
- BE 854193 A 19771103 - AGFA GEVAERT NV
- FR 2353082 A1 19771223 - AGFA GEVAERT [BE]

Cited by

FR2465250A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0002546 A2 19790627; **EP 0002546 A3 19790711**; **EP 0002546 B1 19810708**; DE 2860828 D1 19811015; JP S5499620 A 19790806; JP S6228458 B2 19870620

DOCDB simple family (application)

EP 78200330 A 19781201; DE 2860828 T 19781201; JP 14860978 A 19781130